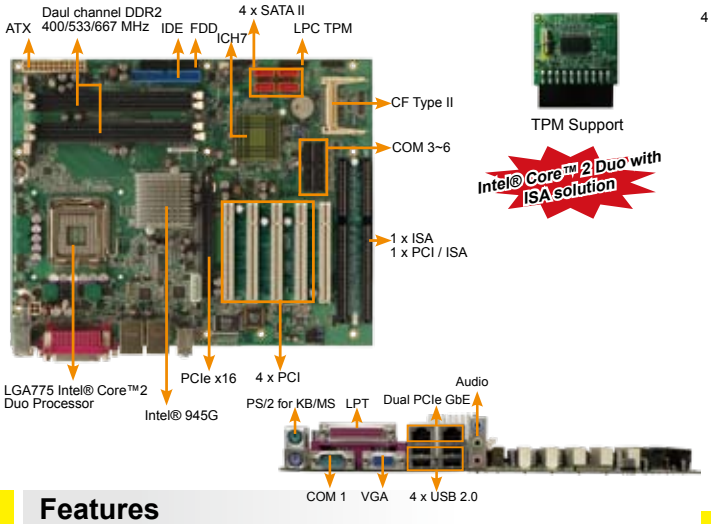
IMBA-9454ISA

ATX Form Factor with Intel® Core™2 Duo, Pentium® D/ Pentium® 4/ Celeron® D CPU FSB 533/800/1066 MHz, VGA, Dual-channel DDR2, FDD, LPT, 4 x SATA II, 8 x USB 2.0 and 6 COM



TPM Support

Intel® Core™2 Duo with ISA solution

Features

1. Intel® Core™2 Duo, Pentium® D, Pentium® 4, Celeron® D processor in the LGA 775 package
2. Integrated Intel® GMA950 graphic engine that offers adequate display quality via VGA interface
3. Dual-channel DDR2-400/533/667 MHz SDRAM socket support up to 4 GB
4. TPM V1.2 hardware security function supported
5. 4 x SATA II, 8 x USB 2.0, Audio and ATX support only

Specifications

- CPU
  LGA 775 Intel® Core™2 Duo, Pentium® 4/ Celeron® D processor, FSB 533/800/1066 MHz
- System Chipset
  Intel® 945G + ICH7
- BIOS
  AMI BIOS Label
- System Memory
  4 x 240-pin Dual-channel DDR2 400/533/667 MHz up to 4 GB
- Ethernet
  Dual PCIe Broadcom BCM5787M GbE chipset
- I/O Interfance
  8 x USB 2.0 — 4 x SATA II
  1 x LPT — 1 x FDD
  1 x CF Type II
  5 x RS-232, 1 x RS-232/422/485
  1 x 20-pin LPC for TPM
  2 x PS/2 for KB/MS — 1 x IDE
- Expansions
  One PCIe x16 (Support PCIe x1/ x16 PCIe add-on cards)
  5 x PCI
  1 x ISA
  1 x PCI / ISA
- Infrared Interface
  1 x Infrared Interface by pin header
- Super I/O
  ITE IT8712F
- Digital I/O
  8-bit digital I/O, 4-bit input/ 4-bit output
- Audio
  Realtek ALC655 with AC'97 codec
- Display
  VGA integrated in Intel® 945G
- Watchdog Timer
  Software programable 1-255 sec. system reset.
- Power Supply
  ATX support
- Power Consumption
  5V@4.25A, 12V@10.17A, 3.3V@ 6.07A (Pentium 4 3.73GHz/1066 MHz CPU with 1 GB DDR2 667 MHz)
- Temperature
  Operating: 0°C ~ 60°C (32 ~ 140° F)
- Humidity
  Operating: 5% ~ 95% non-condensing
- Dimensions
  305 (L) mm x 244 (W) mm
- Weight
  GW: 1.2 kg; NW: 0.65 kg

Packing List

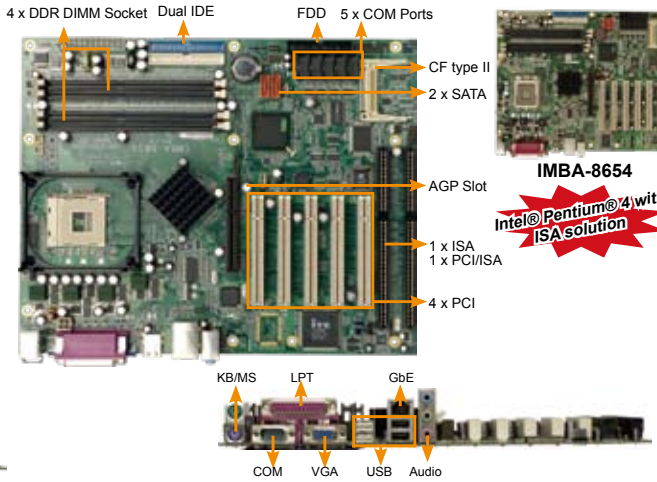
1 x IMBA-9454ISA Single board computer	
1 x IDE cable (P/N: 32200-000052-RS)	
2 x Dual RS-232 cable (P/N: 19800-000113-RS)	
2 x SATA cable (P/N: 32000-0628000-RS)	
1 x SATA power cable (P/N: 32100-088600-RS)	
1 x I/O shielding (P/N: 45002-450903-00-RS)	
1 x Mini jumper pack	
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IMBA-9454ISA-R10	ATX Motherboard with Intel® LGA 775 Core™2 Duo, Pentium® D/ Pentium® 4/ Celeron® D Processor FSB 533/800/1066 MHz, PCIe GbE, SATA II and audio
32200-000017-RS	FDD Cable
CB-USB02-RS	Dual USB cable
CB-USB14-RS	Four USB cable
32200-000063-RS	RS-232/422/485 cable
CF-775A-RS / CF-520-RS	CPU cooler
TPM-WI01-R10	20-pin WINBOND TPM Module, S/W management tool
TPM-IN01-R10	20-pin INFINEON TPM Module, S/W management tool
SDVO-100VGA-R10	PCIe x16 VGA Output SDVO card supports dual display (IEI CPU board only)
SDVO-100DVI-R10	PCIe x16 DVI Output SDVO card supports dual display (IEI CPU board only)

IMBA-8650-R22 / IMBA-8654

ATX Motherboard, Pentium® 4 Processor 533/800MHz FSB with VGA, LCD, SATA, 8 USB 2.0 , 6 COM and Audio



IMBA-8654

Intel® Pentium® 4 with ISA solution

Features

1. Intel® Socket 478 Pentium® 4 CPU support up to FSB 533/800MHz
2. VGA integrated in Intel® 865G
3. Dual-channel DDR-333/400MHz SDRAM socket support up to 4GB
4. 2 x SATA 150, 8 x USB 2.0 and Audio, ATX support

Specifications

- CPU
  -Socket 478 Intel® Pentium® 4/Celeron® D support 800/533 MHz FSB up to 3.4 GHz with Hyper-Threading Technology.(IMBA-8650)
  -Intel® LGA 775, Pentium® D/4, Celeron® D processor, 533/800 MHz FSB(IMBA-8654)
- System Chipset
  Intel® 865G + ICH5
- BIOS
  AWARD BIOS
- System Memory
  4 x 184-pin dual-channel DDR 333/400 MHz up to 4GB
- Ethernet
  Intel® 82541 GbE with ASF2.0 support. (IMBA-8650GN/IMBA-8654GN))
  Realtek 8110SC GbE (IMBA-8650GR/IMBA-8654GR)
- I/O Interfance
  8 x USB 2.0 — 2 x SATA
  1 x LPT — 1 x FDD
  1 x CF Type II — 5 x RS-232
  1 x RS-232/422/485 — 2 x PS/2 for KB/MS
  2 x IDE
- Digital I/O
  8-bit digital I/O, 4-bit input/ 4-bit output for IMBA-8654
- Super I/O
  W83627HG
- Infrared Interface
  1 x Infrared Interface by pin header (SIR mode)
- Expansions
  1 x AGP 8x/4x
  4 x PCI for IMBA-8650
  6 x PCI for IMBA-8654
  1 x ISA (for IMBA-8650)
  1 x PCI/ISA (for IMBA-8650)
- Audio
  Realtek ALC655 with AC'97 codec
- Display Interface
  VGA integrated in Intel® 865G
- Watchdog Timer
  Software programmable 1-255 sec. system reset
- Power Supply
  ATX support
- Power Consumption
  12V@7.3A, 5V@4.9A, 3.3V@0.7A, -12V@0.2A
  5VSB@0.7A
  (Pentium® 4 3.0GHz, 1GB DDR 400 MHz SDRAM)
- Temperature
  Operating: 0°C ~ 60°C (32 ~ 140° F)
- Humidity
  Operating: 5% ~ 95% non-condensing
- Dimensions
  305 mm x 244 mm
- Weight: GW: 1200 g; NW: 600 g

Packing List

1 x IMBA-8650 / IMBA-8654 Single board computer	
2 x IDE cable (P/N: 32200-000052-RS)	2 x RS-232 cable (P/N: 19800-000113-RS)
1 x RS-232 cable (P/N: 19800-000114-RS)	1 x RS-422/485 cable (P/N: 19800-000063-RS)
2 x SATA cable (P/N: 32000-0628000-RS)	1 x SATA Power cable (P/N: 32100-088600-RS)
1 x I/O shielding (P/N: 45002-0804C0-00-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IMBA-8650GR-R22	ATX Motherboard with Intel® Pentium® 4 Socket 478 FSB 800 MHz, AGP 8X, Realtek GbE, SATA and audio
IMBA-8650GN-R22	ATX Motherboard with Intel® Pentium® 4 Socket 478 FSB 800 MHz, AGP 8X, Intel® GbE, SATA and audio
IMBA-8654GR-R10	ATX Motherboard with Intel® LGA 775, Pentium® D, Pentium® 4, Celeron® D Processor FSB 533/800 MHz, AGP 8X, Realtek GbE, SATA and audio
IMBA-8654GN-R10	ATX Motherboard with Intel® LGA 775, Pentium® D, Pentium® 4, Celeron® D processor FSB 533/800 MHz, AGP 8X, Intel® GbE, SATA and audio
32200-000017-RS	FDD cable
CB-USB02-RS	Dual USB cable
CB-USB14-RS	Four USB cable
CF-478A-RS	CPU cooler
CF-478B-RS	CPU cooler
CF-514-RS	CPU cooler
CF-519-RS	CPU cooler